New York City School Library System Office of Library Services

Exploratorium – May 18, 2011 NYC Department of Education

**Title:** Wow Your Teachers: On-line Tools That Are Cool For School

**Audience Level:** High school

**Presenter:**

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**Description, Goals, Intended Outcomes:**

Chief among my library goals each year is to increase collaboration with teachers and integrate technology into teaching in the content areas. We need to assist students in achieving college readiness and help to foster a passion for life-long learning. With the pressures of teaching to high stakes testing, adapting to new common core standards and documenting measurable assessment data, it can be difficult for teachers to plan innovative lessons that support inquiry-based learning.

SAS Curriculum Pathways contains a multitude of tools to assist all educators and allows the librarian to shine as a star staff developer and a valuable partner in the important role of improving student learning and increasing student achievement. The integration of standards-based content with web technology and learning activities, tools, and simulations supports effective teaching and enhances student engagement and understanding.

Google is often where students and teachers begin their research. Many are not aware of the power of the Google Wonder Wheel. This valuable feature helps students narrow their topics, discover new possibilities, understand the purpose of key words and critique their area of research.

**Budget:** Free! Free! Free!

**Timeline:** You can use these tools in stand- alone lessons or in longer research projects and library visits.

**Evidence of Outcomes, Possible Adaptations, Lessons Learned:**

Students need practice and repetition with using the Google Wonder Wheel. Hands-on practice is most effective either on a SMARTBOARD or individual computers. Using the Wonder Wheel reproducible PDF is an effective introduction.

With SAS Curriculum Pathways you can create individual accounts for teachers and a generic account for all students.

“This *resource* is your online *partner* for teaching the core curriculum:

* English, History, Science, Mathematics, Spanish
* Learner-centered tools, lessons, and resources with measurable outcomes
* Interactive components that foster higher-order thinking skills
* Twenty-first century skills integrated into content

Includes:

* Inter-Activities and Web Inquiries
* Require a student action and response with each step in the learning process
* Provide layers of support: directions, connections, and questions to guide the student
* Offer tools, simulations, models, and examples for student manipulation and interaction
* Allow students to manipulate information, variables, cause-and-effect, and graphs
* Ask students to explore and experiment in order to learn
* Provide multi-step tasks that require sustained effort
* Allow students to repeatedly practice skills in various contexts and difficulty levels
* Can be used flexibly: classroom demonstrations, group work, individual interaction
* Encourage active, collaborative, and cooperative learning
* Encourage students to be critical thinkers and to make connections among ideas
* Enable instructors and learners to work in teams where appropriate
* Provide offline activities for synthesis, analysis and application, or evaluation
* Let students repeat interactions but make different choices or choose different paths
* Require a written response to a final question or problem “

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**Common Core State Standards addressed:**

CC.6.W.7 Research to Build and Present Knowledge

**Skills taught:**

Internet Research

Note-taking

Inquiry in the content areas

Investigating and evaluating information

**Assessments:**

Imbedded in the lessons offered in SAS Curriculum pathways

Completed Wonder Wheel PDF

**Resources Used:**

<http://files.solution-tree.com/pdfs/Reproducibles_TTiG/googleswonderwheel.pdf>

<http://www2.sascurriculumpathways.com/>